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## Holmium Laser Man

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Pancreatic duct stone formation is a chronic pancreatitis complication that causes recurrent episodes of pain and can be managed endoscopically. A 62 years-old Caucasian man, who had a consumptive condition associated with recurrent episodes of abdominal pain, was evaluated in a Gastroenterology consultation. He had a past history of chronic pancreatitis by alcohol, type 2 Diabetes Mellitus, hypertension and a Charcot Syndrome. No alterations were found after examination and some imaging exams were performed. A computed tomography (CT) showed a thin gallbladder and chronic pancreatitis signs with pancreatic intraductal stones, dominant at tail and body, associated with pancreatic tail atrophy. An abdominal-Magnetic Resonance Imaging (MRI) was done, that showed an abnormal pancreatic parenchyma, a mild Wirsung dilatation and an unknown pancreatic head stenosis etiology. Therefore, to clarify the pancreatic stenosis, an echo-endoscopy (EUS) was performed. This exam showed a 10-mm stone associated with a focal narrowing in head/tail transition. A pancreatoscopy-guided holmium laser using a mini-endoscope inserted into the pancreatic duct successfully broke the impacted stone and cleared the obstruction, without complications. After that, endotherapy with an increasing number of the plastic stent was done, for 6 months. After endoscopic treatment, the patient recovered well enough, without any symptoms, without pancreatic stenosis and with a higher quality of life. Patients with difficult pancreatic duct stones can be treated with holmium laser, which is a safe and effective treatment. It is a promising method for experienced gastroenterologists and can replace, in a near future external lithotripsy in the management of intraductal stones.

## Biography

Filipa Ribeiro Crespo Lucas has completed her Medicine Master degree from the University of Lisbon, Portugal. She is now working as a Physician at the Cascais Hospital, Portugal, where she has started her Internal Medicine Internship last January. Her master thesis was about the impact of tobacco and its components on the cervix cancer.

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